

Can not only
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another page
5/15/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE PATENT

IN RE APPLICATION: Usama Fayyad et al.

Serial No. 09/700,606

Group Art Unit: 2171

Filed: January 31, 2001

Title: SCALABLE SYSTEM FOR CLUSTERING OF LARGE DATABASES HAVING
MIXED ATTRIBUTES

Docket No. 14-694 - 4254

Watts, Hoffmann, Fisher & Heinke, Co., LPA
1100 Superior Avenue, Ste. 1750
Cleveland, Ohio 44114VIA FACSIMILE (703) 308-5083

Attention: Lamond Fletcher

Assistant Commissioner for Patents

Documents Review Office

Washington, D.C. 20231

REQUEST FOR CORRECTED FILING RECEIPT

Dear Mr. Fletcher:

Attached are copies of previous attempts to correct the filing receipt for the above-identified patent application. As evidenced by the enclosed copy of page one of the specification, noting the first two paragraphs, and the enclosed copy of the Declaration and Power of Attorney, the correct domestic priority data as claimed by applicant should read as follows:

THIS APPLICATION IS A 371 OF PCT/US99/06717 03/29/1999

WHICH IS A CIP OF 09/083,906 05/22/1998

WHICH CLAIMS BENEFIT OF 60/086,410 05/22/1998

A copy of the original filing receipt is enclosed which shows the necessary corrections. A corrected filing is **urgently** and respectfully requested since this application has been passed to issue and the issue fee must be paid before April 28, 2003. We would like to have the filing receipt corrected before this patent issues to insure that the patent issues with all correct information. I was informed that the publication department is not currently in possession of this file and I was instructed to

BEST AVAILABLE COPY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE PATENT

IN RE APPLICATION: Usama Fayyad et al.

Serial No. 09/700,606

Group Art Unit: 2171

Filed: January 31, 2001

Title: SCALABLE SYSTEM FOR CLUSTERING OF LARGE DATABASES HAVING
MIXED ATTRIBUTES

Docket No. 14-694 - 4254

Watts, Hoffmann, Fisher & Heinke, Co., LPA
1100 Superior Avenue, Ste. 1750
Cleveland, Ohio 44114VIA FACSIMILE (703) 305-3230

Attention: Ms. Cathy Short

Assistant Commissioner for Patents, Box PCT

Washington, D.C. 20231

REQUEST FOR CORRECTED FILING RECEIPT

Dear Ms. Short:

As evidenced by the enclosed copy of page one of the specification, noting the first two paragraphs, and the enclosed copy of the Declaration and Power of Attorney, the correct domestic priority data as claimed by applicant should read as follows:

THIS APPLICATION IS A 371 OF PCT/US99/06717 03/29/1999

WHICH IS A CIP OF 09/083,906 05/22/1998



WHICH CLAIMS BENEFIT OF 60/086,410 05/22/1998

A copy of the original filing receipt is enclosed which shows the necessary corrections. A corrected filing is **urgently** and respectfully requested since this application has been passed to issue.

Respectfully submitted,

Date: 3/21/03

Telephone: 216-241-6700
Facsimile: 216-241-8151


Stephen S. Schultz
Reg. No. 29,108

George L. Pincham
Reg. No. 37,697
W. T. Conner

WATTS, HOFFMANN, FISHER & HEINKE CO., L.P.A.
ATTORNEYS AT LAW

U.S. POSTAL ADDRESS:
P.O. Box 99839
Cleveland, Ohio 44199-0839

BUILDING ADDRESS:
1100 Superior Avenue, Suite 1750
Cleveland, Ohio 44114-2518

TELEPHONE (216) 241-6700
FACSIMILE (216) 241-8151

FACSIMILE TRANSMITTAL

To:	CATMY SHORT
Organization:	U.S.P.T.O. - PCT
Facsimile No.:	703-305-3830
From:	STEPHEN J. SCHULTZ
Date:	3/21/03
Our File No.:	14-694
No. of pages: (including this cover pg.)	8

MESSAGE:

☐ (if checked) A confirmation copy of this transmission will follow via U.S. mail.

CONFIDENTIALITY NOTE

The information accompanying this facsimile transmission may be confidential, privileged, and exempt from disclosure under applicable law. This information is intended only for the individual or entity identified on this transmittal. If you are not the intended recipient, be aware that any disclosure, dissemination, copying or distribution, or use of this information is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone (collect), so that we can arrange for the retrieval of the transmitted facsimile page(s). Thank you.

* * * TRANSMISSION RESULT REPORT (MAR.21.2003 2:11PM) * * *

TTI WATTS,HOFFMAN&FISHER

DATE	TIME	ADDRESS	MODE	TIME	PAGE	RESULT	PERS. NAME	FILE
MAR.21.	2:09PM	703 305 3230	TES	1'40"	P. 8	OK		547

: BATCH
M : MEMORY
S : STANDARD
* : PCC : CONFIDENTIAL
L : SEND LATER
D : DETAIL
% : PC DIRECT\$: TRANSFER
@ : FORWARDING
F : FINEP : POLLING
E : ECM
> : REDUCTION

WATTS, HOFFMANN, FISHER & HEINKE CO., L.P.A.
ATTORNEYS AT LAW

U.S. POSTAL ADDRESS:
P.O. Box 99839
Cleveland, Ohio 44199-0839

BUILDING ADDRESS:
1100 Superior Avenue, Suite 1750
Cleveland, Ohio 44114-2518

TELEPHONE (216) 241-6700
FACSIMILE (216) 241-8151
E-MAIL: IPLAW@WATTSHOFF.COM

FACSIMILE TRANSMITTAL

To:	U.S. Patent and Trademark Office
Organization:	Initial Patent Examination Filing Receipt Corrections
Facsimile No.:	703-746-9195
From:	Stephen J. Schultz, Esq.
Date:	March 14, 2003
Our File No.:	14-694 (U.S. Serial No. 09/700,606)
No. of pages: (including this cover pg.)	27

MESSAGE:**URGENT!**

Dear Sir/Madam: The above-identified patent application has been allowed. We have previously submitted six requests for a corrected filing receipt to correct priority information. All requests have gone unanswered and are attached for your reference. Since this case is getting ready for issuance, please forward a corrected filing receipt corresponding to our previous requests as quickly as possible. Obviously, we want to have the patent issue with correct priority information. Thank you for your attention to this matter.

☐ (if checked) A confirmation copy of this transmission will follow via U.S. mail.

CONFIDENTIALITY NOTE

The information accompanying this facsimile transmission may be confidential, privileged, and exempt from disclosure under applicable law. This information is intended only for the individual or entity identified on this transmittal. If you are not the intended recipient, be aware that any disclosure, dissemination, copying or distribution, or use of this information is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone (collect), so that we can arrange for the retrieval of the transmitted facsimile page(s). Thank you.

WATTS, HOFFMANN, FISHER & HEINKE CO., L.P.A.
ATTORNEYS AT LAW

U.S. POSTAL ADDRESS:
P.O. Box 99839
Cleveland, Ohio 44199-0839

BUILDING ADDRESS:
1100 Superior Avenue, Suite 1750
Cleveland, Ohio 44114-2518

TELEPHONE (216) 241-6700
FACSIMILE (216) 241-8151

FACSIMILE TRANSMITTAL

To:	U.S. PTO
Organization:	Filing Receipt (Corrections)
Facsimile No.:	703-746-9195
From:	Steve Schutty
Date:	11/5/03
Our File No.:	14-694-
No. of pages: (including this cover pg.)	9

MESSAGE:

REMINDER 01/02/03

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CONFIDENTIALITY NOTE

The information accompanying this facsimile transmission may be confidential, privileged, and exempt from disclosure under applicable law. This information is intended only for the individual or entity identified on this transmittal. If you are not the intended recipient, be aware that any disclosure, dissemination, copying or distribution, or use of this information is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone (collect), so that we can arrange for the retrieval of the transmitted facsimile page(s). Thank you.

PATENT
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION: Usama Fayyad et al.

Serial No. 09/700,606 Group Art Unit: 2171

Filed: January 31, 2001

Title: SCALABLE SYSTEM FOR CLUSTERING OF LARGE DATABASES
HAVING MIXED ATTRIBUTES

Docket No. 14-694 - 4254

WATTS, HOFFMANN, FISHER
& HEINKE, CO., L.P.A.
1100 Superior Avenue, Ste. 1750
Cleveland, Ohio 44114

VIA FACSIMILE (703) 746-9195

Assistant Commissioner for Patents
Office of Initial Patent Examination's
Filing Receipt Corrections
Washington, D.C. 20231

THIRD REQUEST FOR CORRECTED FILING RECEIPT

Dear Sir/Madam:

Applicant's attorney filed two requests for a corrected filing receipt on February 7, and August 26 2002. To date, a corrected filing receipt has not yet been received.

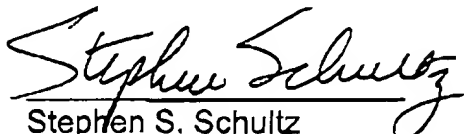
As evidenced by the enclosed copy of page one of the specification, specifically, the first two paragraphs, and the enclosed copy of the Declaration and Power of Attorney, the correct domestic priority data as claimed by applicant should read as follows:

THIS APPLICATION IS A 371 OF PCT/US99/06717 03/29/1999
WHICH IS A CIP OF 09/083,906 05/22/1998
WHICH CLAIMS BENEFIT OF 60/086,410 05/22/1998

A copy of the original filing receipt is enclosed which shows the necessary corrections. A corrected filing receipt is again respectfully requested.

Respectfully submitted,

Date: Nov 5, 2002


Stephen S. Schultz
Reg. No. 29,108

Telephone: 216-241-6700
Facsimile: 216-241-8151

APR. 9.2003 2:35PM

WATTS, HOFFMAN & FISHER

NO. 195 P. 9

P. 1

* * * TRAN SSION RESULT REPORT (JAN. 6.2003 2:07PM) * * *

TTI WATTS, HOFFMAN & FISHER

DATE	TIME	ADDRESS	MODE	TIME	PAGE	RESULT	PERS. NAME	FILE
JAN. 6.	2:06PM		USPTO TES	1'04"	P. 3	OK		053

: BATCH
M : MEMORY
S : STANDARD
* : PC

C : CONFIDENTIAL
L : SEND LATER
D : DETAIL
% : PC DIRECT

\$: TRANSFER
T@ : FORWARDING
T : FINE

P : POLLING
E : ECM
> : REDUCTION

PATENT APPLICATION

Applicant(s): Issam Dajani et al Attorney Docket No.: 14694
 Title: Method for Systemic Attribution Client: 4254
 Serial No.: 05/00606 Filed: 4/3/01 Patent No.:
 Mailing Date: 8/19/02 Initials: KB

Receipt is hereby acknowledged of the following:

<input type="checkbox"/> Transmittal (____ pages)	<input type="checkbox"/> Assignment(s) (____ pages)
<input type="checkbox"/> Provisional Application for Patent Cover Sheet	<input type="checkbox"/> Assignment Cover Sheet(s) (____ pages)
<input type="checkbox"/> Request for Filing a Patent Application under 37 CFR 1.53 (b) (____ pages)	<input type="checkbox"/> Small Entity Statement (____ pages)
<input type="checkbox"/> Request for Filing a Patent Application under 37 CFR 1.53 (d) (____ pages)	<input type="checkbox"/> Number of Priority Document(s)
<input type="checkbox"/> Patent Application (____ total pages)	<input type="checkbox"/> Response to Notice to File Missing Parts (____ pages)
<input type="checkbox"/> Provisional, <input type="checkbox"/> New Nonprovisional <input type="checkbox"/> Continuation, <input type="checkbox"/> Divisional, <input type="checkbox"/> SIP <input type="checkbox"/> PCT, <input type="checkbox"/> _____ _____ cover page _____ pages of specification _____ pages of number of claims _____ pages of abstract	<input type="checkbox"/> Copy of Notice to File Missing Parts Form PTO-1533 <input type="checkbox"/> Information Disclosure Statement (____ pages) <input type="checkbox"/> PTO Form 1449 (____ pages) <input type="checkbox"/> Number of Documents <input type="checkbox"/> Petition for a Month Extension of Time <input type="checkbox"/> Preliminary Amendment (____ pages) <input type="checkbox"/> Amendment (____ pages) <input type="checkbox"/> Notice of Appeal (____ pages) <input type="checkbox"/> Appeal Brief in Triplicate (____ pages each) <input type="checkbox"/> Issue Fee Transmittal PTO-85B & Copy <input type="checkbox"/> Maintenance Fee Transmittal (____ pages) <input type="checkbox"/> Request for Continued Examination
<input type="checkbox"/> Drawings (____ sheets)	
<input type="checkbox"/> Declaration(s) with Power of Attorney (____ pages)	
<input type="checkbox"/> Check(s) in Amount of \$ _____	

OFFICE OF THE PATENT & TRADEMARK COMMISSION
 APR 26 2002

220 Request for Consent to Withdrawal of App
Attachments

APR. 9.2003 2:36PM

NOTTS, HOFFMAN & FISHER

NO. 195 = P. 10

TRANSMISSION RESULT REPORT

(NOV 05 '02 03:57PM)

WA, HOFFMAN & FISHER

(AUTO)

THE FOLLOWING FILE(S) ERASED

FILE	FILE TYPE	OPTION	TEL NO.	PAGE	RESULT
091	TRANSMISSION		8170374691954254	09	OK

ERRORS

1) HANG UP OR LINE FAIL 2) BUSY 3) NO ANSWER 4) NO FACSIMILE CONNECTION

PATENT
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION: Usama Fayyad et al.

Serial No. 09/700,606

Filed: January 31, 2001

Title: SCALABLE SYSTEM FOR CLUSTERING OF LARGE DATABASES HAVING
MIXED ATTRIBUTES

Docket No. 14-694 - 4254

WATTS, HOFFMANN, FISHER
& HEINKE, CO., L.P.A.
1100 Superior Avenue, Ste. 1750
Cleveland, Ohio 44114

Assistant Commissioner for Patents
Office of Initial Patent Examination's
Customer Service Center
Washington, D.C. 20231

SECOND REQUEST FOR CORRECTED FILING RECEIPT

Sir:

Applicant's attorney filed a request for a corrected filing receipt on February 7, 2002.
To date, a corrected filing receipt has not yet been received.

As evidenced by the enclosed copy of page one of the specification, specifically, the first two paragraphs which have been highlighted for your convenience, and the enclosed copy of the Declaration and Power of Attorney, the correct domestic priority data as claimed by applicant should read as follows:

THIS APPLICATION IS A 371 OF PCT/US99/06717 03/29/1999

WHICH IS A CIP OF 09/083,906 05/22/1998

WHICH CLAIMS BENEFIT OF 60/086,410 05/22/1998.

I hereby certify that this document is being deposited with the
U.S. Postal Service as First Class Mail addressed to the
Assistant Commissioner of Patents, Washington, D.C. 20231

on

By:

8/19/00
Usama Fayyad

A copy of the original filing receipt is enclosed which shows the necessary corrections.
A corrected filing receipt is respectfully requested.

Respectfully submitted,

Date: Aug 15, 2002.

Stephen S. Schultz
Stephen S. Schultz
Reg. No. 29,108

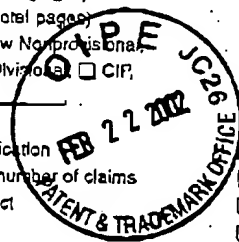
Telephone: 216-241-6700
Facsimile: 216-241-8151

PATENT APPLICATION

Attorney Docket No.: 14-694
Client: 4354Applicant(s): Dwyer et al.Title: Scale System, data attributesSerial No.: 09/2006 Filed: 4/3/01 Patent No.: 110Mailing Date: 2/7/02 Initials: 110

Receipt is hereby acknowledged of the following:

- ☐ Transmittal (____ pages)
- ☐ Provisional Application for Patent Cover Sheet
- ☐ Request for Filing a Patent Application under 37 CFR 1.53 (b) (____ pages)
- ☒ Request for Filing a Patent Application under 37 CFR 1.53 (d) (____ pages)
- ☐ Patent Application (____ total pages)
- ☐ Provisional, ☐ New Nonprovisional
- ☐ Continuation, ☐ Divisional, ☐ CIP
- ☐ PCT, ☐ _____
- ____ cover page
- ____ pages of specification
- ____ pages of ____ number of claims
- ____ pages of abstract
- ☐ Drawings (____ sheets)
- ☐ Declaration(s) with Power of Attorney (____ pages)
- ☐ Check(s) in Amount of \$ _____
- ☐ Assignment(s) (____ pages)
- ☐ Assignment Cover Sheet(s) (____ pages)
- ☐ Small Entity Statement (____ pages)
- ☐ ____ Number of Priority Document(s)
- ☐ Response to Notice to File Missing Parts (____ pages)
- ☐ Copy of Notice to File Missing Parts Form, PTO-1533
- ☐ Information Disclosure Statement (____ pages)
- ☐ PTO Form 1449 (____ pages)
- ☐ ____ Number of Documents
- ☐ Petition for a ____ Month Extension of Time
- ☐ Preliminary Amendment (____ pages)
- ☐ Amendment (____ pages)
- ☐ Notice of Appeal (____ pages)
- ☐ Appeal Brief in Triplicate (____ pages, each)
- ☐ Issue Fee Transmittal PTOL-83B & Copy
- ☐ Maintenance Fee Transmittal (____ pages)
- ☐ Request for Continued Examination



☒ Request for Correction of Duplication
with attachments

**PATENT
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION: Usama Fayyad et al.

Serial No. 09/700,606

Filed: January 31, 2001

Title: SCALABLE SYSTEM FOR CLUSTERING OF LARGE DATABASES HAVING
MIXED ATTRIBUTES

Docket No. 14-694 - 4254

WATTS, HOFFMANN, FISHER
& HEINKE, CO., L.P.A.
1100 Superior Avenue, Ste. 1750
Cleveland, Ohio 44114

Assistant Commissioner for Patents
Office of Initial Patent Examination's
Customer Service Center
Washington, D.C. 20231

REQUEST FOR CORRECTED FILING RECEIPT

Sir:

As evidenced by the enclosed copy of page one of the specification, specifically, the first two paragraphs which have been highlighted for your convenience, and the enclosed copy of the Declaration and Power of Attorney, the correct domestic priority data as claimed by applicant should read as follows:

THIS APPLICATION IS A 371 OF PCT/US99/06717 03/29/1999

WHICH IS A CIP OF 09/083,906 05/22/1998

WHICH CLAIMS BENEFIT OF 60/086,410 05/22/1998

I hereby certify that the foregoing is a true and correct copy of the
U.S. Patent Service as filed with me and forwarded to the
Assistant Commissioner of Patents, Washington, D.C. 20231

on

by

2/17/03
Mark Busby

A copy of the original filing receipt is enclosed which shows the necessary corrections. A corrected filing receipt is respectfully requested.

Respectfully submitted,

Date: Feb 7, 2002

Stephen S. Schultz
Stephen S. Schultz
Reg. No. 29,108

Telephone: 216-241-6700
Facsimile: 216-241-8151

PATENT APPLICATION

Applicant(s):

Title:

Serial No.:

Mailing Date:

Receipt is hereby acknowledged of the following:

☐ Transmittal (____ pages)☐ Provisional Application for Patent Cover Sheet☐ Request for Filing a Patent Application☐ Request for Filing a Patent Application☐ Patent Application (____ total pages)☐ Provisional, ☐ New Nonprovisional,☐ Continuation, ☐ Divisional, ☐ CIP,☐ PCT, ☐ _____

____ cover page

____ pages of specification

____ pages of _____ number of _____

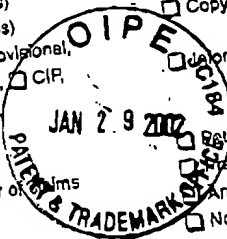
____ pages of abstract

☐ Drawings (____ sheets)☐ Declaration(s) with Power of Attorney☐ Check(s) in Amount of \$ _____☐ _____

Attorney Docket No.:

Client:

Patent No.:

☐ Assignment(s) (____ pages)☐ Assignment Cover Sheet(s) (____ pages)☐ Small Entity Statement (____ pages)☐ Number of Priority Document(s)☐ Response to Notice to File Missing Parts (____ pages)☐ Copy of Notice to File Missing Parts Form PTO-1533☐ Information Disclosure Statement (____ pages)☐ PTO Form 1449 (____ pages)☐ Number of Documents☐ Request for a _____ Month Extension of Time☐ Preliminary Amendment (____ pages)☐ Amendment (____ pages)☐ Notice of Appeal (____ pages)☐ Appeal Brief in Triplicate (____ pages each)☐ Issue Fee Transmittal PTO-L-55B & Copy☐ Maintenance Fee Transmittal (____ pages)☐ Request for Continued Examination

☒ Status of Connected Pending Receipt
☒ Attachments - 10 pages

PATENT
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE PATENT APPLICATION:

Usama Fayyad et al.

Serial No.: 09/700,606 Group Art Unit: 2121

Filed: January 31, 2001 Examiner: Not yet assigned

Title: SCALABLE SYSTEMS FOR CLUSTERING OF
LARGE DATABASES HAVING MIXED ATTRIBUTES

Docket No.: 14-694 - 4254

Watts, Hoffmann, Fisher
& Heinke Co., L.P.A.
1100 Superior Ave., Ste. 1750
Cleveland, OH 44114
(216) 241-6700 - telephone
(216) 241-8151 - facsimile

Assistant Commissioner for Patents
Office of Initial Patent Examination's
Customer Service Center
Washington, D. C. 20231

STATUS REQUEST REGARDING CORRECTED FILING RECEIPT

Dear Sir:

A request for a corrected filing receipt was filed in the U.S. Patent Office on June 1, 2001, a copy of the submitted documents are enclosed. It is respectfully requested that the Patent and Trademark Office indicate when it will issue a corrected filing receipt.

Respectfully submitted,

Stephen J. Schultz
Stephen J. Schultz
Reg. No. 29,108

Date June 7, 2002

U.S. Patent and Trademark Office
U.S. Postal Service, Box 100, Patent Mail Center, 20231
Assistant Commissioner for Patents, Washington, D.C. 20231

cc 1/7/02
BY: M. J. Buzinski

PATENT APPLICATION

Applicant(s): Tissana Dwyer et al
 Title: Scalable System for Managing Information
 Serial No.: 09/770,000 Filed: 11/15/01 Patent No.: 7,300,000
 Mailing Date: 6/1/01 Initials: WHS

Receipt is hereby acknowledged of the following:

☐ Transmittal (____ pages)
☐ Provisional Application for Patent Cover Sheet
☐ Request for Filing a Patent Application under 37 CFR 1.53 (b) (____ pages)
☐ Request for Filing a Patent Application under 37 CFR 1.53 (d) (____ pages)
☐ Patent Application (____ total pages)
 ☐ Provisional, ☐ New Nonprovisional,
 ☐ Continuation, ☐ Divisional, ☐ CIP,
 ☐ PCT, ☐ _____
 ____ cover page
 ____ pages of specification
 ____ pages of ____ number of claims
 ____ pages of abstract
☐ Drawings (____ sheets)
☐ Declaration(s) with Power of Attorney (____ pages)
☐ Check(s) in Amount of \$ _____

☒ Request for Extension of Time
☐ Assignment(s) (____ pages)
☐ Assignment Cover Sheet(s) (____ pages)
☐ Small Entity Statement (____ pages)
☐ ____ Number of Priority Document(s)
☐ Response to Notice to File Missing Parts (____ pages)
☐ Copy of Notice to File Missing Parts Form PTO-1533
☐ Information Disclosure Statement (____ pages)
 ☐ PTO Form 1449 (____ pages)
 ☐ ____ Number of Documents
☐ Petition for a ____ Month Extension of Time
☐ Preliminary Amendment (____ pages)
☐ Amendment (____ pages)
☐ Notice of Appeal (____ pages)
☐ Appeal Brief in Triplicate (____ pages each)
☐ Issue Fee Transmittal PTO-85B & Copy (____ pages)
☐ Maintenance Fee Transmittal (____ pages)
☐ Request for Continued Examination

Request for Extension of Time
and attachment

Attorney Docket No.: 14-694
 Client: WHS

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 JUN 12 2001
 CLEVELAND
 MAY 31 '01
 OH

U.S. POSTAGE
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WATTS, HOFFMANN, FISHER & HEINKE

WATTS, HOFFMANN, FISHER
 & HEINKE Co., L.P.A.
 SUITE 1750
 1100 SUPERIOR AVENUE
 CLEVELAND, OHIO 44114-2518

PATENT
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION: Usama Fayyad et al.

Serial No. 09/700,606

Filed: January 31, 2001

Title: SCALABLE SYSTEM FOR CLUSTERING OF LARGE DATABASES HAVING
MIXED ATTRIBUTES

Docket No. 14-694 - 4254

WATTS, HOFFMANN, FISHER
& HEINKE, CO., L.P.A.
1100 Superior Avenue, Ste. 1750
Cleveland, Ohio 44114

Assistant Commissioner for Patents
Office of Initial Patent Examination's
Customer Service Center
Washington, D.C. 20231

REQUEST FOR CORRECTED FILING RECEIPT

Sir:

As evidenced by the enclosed copy of page one of the specification, specifically, the first two paragraphs which have been highlighted for your convenience, and the enclosed copy of the Declaration and Power of Attorney, the correct domestic priority data as claimed by applicant should read as follows:

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WHICH CLAIMS BENEFIT OF 60/086,410 05/22/1998

I hereby certify that this copy is being deposited with the
U. S. Postal Service as 1st Class Mail addressed to the
Assistant Commissioner of Patents, Washington, D. C. 20231

DO

By:

A copy of the original filing receipt is enclosed which shows the necessary corrections. A corrected filing receipt is respectfully requested.

Respectfully submitted,

Date: June 1, 2001

Stephen S. Schultz
Stephen S. Schultz
Reg. No. 29,108

Telephone: 216-241-6700
Facsimile: 216-241-8151

A Scalable System for Clustering of Large Databases Having Mixed Data Attributes

Cross Reference to Related Applications

The present invention is a continuation in part of co-pending United States patent application serial number 09/083,906 entitled "A Scalable System for
5 Expectation Maximization Clustering of Large Databases" to Fayyad et al having a filing date of May 22, 1998, and which is assigned to the assignee of the present application and is incorporated herein by reference.

Priority is claimed from provisional United States patent application serial
10 number 60/086,410 filed May 22, 1998.

Field of the Invention

The present invention concerns database analysis and more particularly
concerns an apparatus and method for clustering of data into groups that capture
15 important regularities and characteristics of the data.

Background Art

Large data sets are now commonly used in most business organizations. In fact, so much data has been gathered that asking even a simple question about the data
20 has become a challenge. The modern information revolution is creating huge data stores which, instead of offering increased productivity and new opportunities, can overwhelm the users with a flood of information. Tapping into large databases for even simple browsing can result in a return of irrelevant and unimportant facts. Even people who do not 'own' large databases face the overload problem when accessing
25 databases on the Internet. A large challenge now facing the database community is how to sift through these databases to find useful information.

Existing database management systems (DBMS) perform the steps of reliably storing data and retrieving the data using a data access language, typically SQL. One major use of database technology is to help individuals and organizations make
30 decisions and generate reports based on the data contained in the database.

An important class of problems in the areas of *decision support* and *reporting* are clustering (segmentation) problems where one is interested in finding groupings (clusters) in the data. Data clustering has been used in statistics, pattern recognition,



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO.	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/700,606	01/31/2001	2121	1152	14-694-4254	8	34	4

CONFIRMATION NO. 8142

FILING RECEIPT



0000000005992681

Watts Hoffman Fisher & Heinke Company
Suite 1750
1100 Superior Avenue
Cleveland, OH 44114-2518

APR 8 7 2003

Date Mailed: 04/24/2001

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Applicant(s)

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Domestic Priority data as claimed by applicant

THIS APPLICATION IS A 371 OF PCT/US99/06717 03/29/1999
WHICH IS A CIP OF 60/083,906 05/01/1998
WHICH CLAIMS BENEFIT OF 60/086,410 05/22/1998

Foreign Applications

Projected Publication Date: N/A

Non-Publication Request: No

Early Publication Request: No

Title

Scalable system for clustering of large databases having mixed data attributes

Preliminary Class

700

Data entry by : NGUYEN. SON

Team : OIPE

Date: 04/24/2001



PATENT APPLICATION

Attorney Docket No.: 14-694Client: ATPApplicant(s): Tisana Jayward et alTitle: Scalable Method of Mould SterilizationSerial No.: 61,000,000Filed: 4/3/01

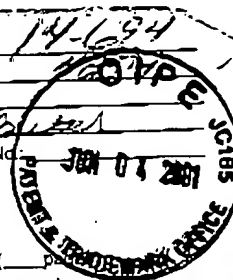
Patent No.:

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